

Title (en)
GENERATING IMAGES

Publication
EP 0318291 A3 19910130 (EN)

Application
EP 88311143 A 19881124

Priority
US 12566287 A 19871125

Abstract (en)
[origin: EP0318291A2] Image rendering time for an $N \times N$ pixel display is reduced from the order of N^2 to the order of $M^2 + T_i$, where M is the size of an $M \times M$ matrix into which an image is rendered from a 3-D surface definition and $M \leq N$, and where T_i is the interpolation time required to magnify the $M \times M$ matrix into an $N \times N$ matrix. Thus, it is possible to optimize image resolution versus rendering time.

IPC 1-7
G06F 15/62

IPC 8 full level
A61B 8/14 (2006.01); **A61B 5/055** (2006.01); **A61B 6/03** (2006.01); **G06T 15/00** (2011.01); **G09G 5/36** (2006.01); **H04N 1/393** (2006.01)

CPC (source: EP)
G06T 15/00 (2013.01)

Citation (search report)

- [YD] EP 0182237 A2 19860528 - GEN ELECTRIC [US]
- [YD] EP 0216156 A2 19870401 - GEN ELECTRIC [US]
- [A] EP 0204225 A2 19861210 - GEN ELECTRIC [US]

Cited by
EP0434508A1; FR2656129A1; US5241471A; EP0432072A1; FR2655451A1; US5612714A

Designated contracting state (EPC)
DE FR GB NL

DOCDB simple family (publication)
EP 0318291 A2 19890531; EP 0318291 A3 19910130; EP 0318291 B1 19950322; DE 3853406 D1 19950427; DE 3853406 T2 19951214; IL 87966 A0 19890331; IL 87966 A 19920715; JP H021083 A 19900105

DOCDB simple family (application)
EP 88311143 A 19881124; DE 3853406 T 19881124; IL 8796688 A 19881007; JP 29486688 A 19881124